



AVOX Systems

Formerly Scott Aviation, Inc.

SERVICE INFORMATION LETTER

AVOX Systems Inc.

225 Erie Street • Lancaster, NY 14086-9502 • USA

Tel: 716-683-5100 • Fax: 716-681-1089 • Web Site: www.avoxsys.com

OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

P/N 898 SERIES – CYLINDER AND REGULATOR ASSEMBLIES

1. BACKGROUND

This Service Information Letter (SIL) gives corrections for procedures in certain sections of the current CMM 35-21-99 (Revision 1 dated May 01/00). This SIL introduces new AVOX Systems end item part numbers (P/N's) (806369 Series, 806371 Series, 806385 Series and 806525 Series) that in most cases will replace the 898 Series P/N's. A new P/N is added. New materials are added.

It is important to obey the instructions in this SIL to ensure that all the 806369, 806371, 806385, and 806525 Series Cylinder and Regulator Assemblies (CRA's) installed in your aircraft are maintained correctly.

You are authorized to make copies of this SIL and give them to other persons. If you make a copy of this SIL, you must make a copy of all of the SIL.

2. EFFECTIVITY

A. Aircraft

This SIL applies to all makes and models of aircraft that have installed any of the AVOX Systems CRA's shown in Table 1.

B. Cylinder and Regulator Assemblies

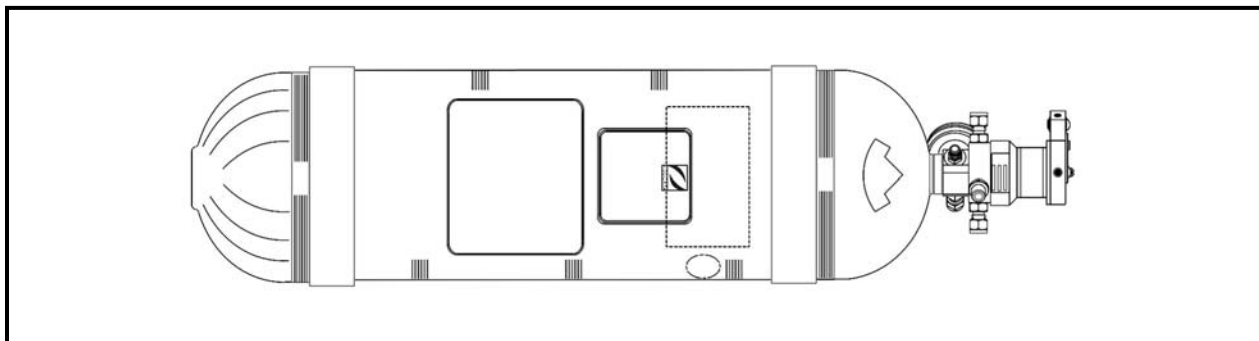
This SIL applies to the Scott CRA's listed in Table 1 except P/N 898-JT0C15 with S/N's 762, 893, 894, 953, 1029.

Table 1
Affected Cylinder and Regulator Assemblies

898-FT0C15	898-MT0C15	898-PT0C40
898-FT0C77	898-MT0C77	898-PT0C77
898-JT0C15	898-NT0C77	898-RT0C15
898-KT0C15	898-PT0C15	898-RT0C77
898-KT0C22	898-PT0C22	

These CRA's are made by AVOX Systems in Lancaster, NY, USA (V53655). This SIL applies to CRA's made by AVOX Systems and by Scott Aviation.

A typical CRA is illustrated in Figure 1.



Typical 898, 806369, 806371, 806385, and 806525 Series CRA

Figure 1

2. EFFECTIVITY (Continued)

C. Component Maintenance Manual (CMM)

This SIL is applicable to and gives corrections for certain parts of AVOX Systems CMM 35-21-99 (Revision 1 dated May 01/00). After the CMM is revised, this SIL will not be applicable to the CMM.

3. SPECIAL TOOLS AND EQUIPMENT

Refer to CMM 35-21-99.

4. CONSUMABLE MATERIALS

Refer to CMM 35-21-99 and see Table 2 for new consumable materials required by this SIL.

Table 2
Consumable Materials

Material	Description	Manufacturer (Vendor Code)
Grade 242	Adhesive	Loctite Corp. Newington, CT 06111-1411 USA (V05972)
Grade T	Primer	Loctite Corp. Newington, CT 06111-1411 USA (V05972)

5. CAUTIONS AND WARNINGS

Read and obey the cautions and warnings in CMM 35-21-99.

6. ASSEMBLY

- A. When a CRA listed in Table 1 is serviced, one new P/N 10013469 safety plug gasket is to be installed and the CRA is to be re-labeled according to step 6.D. in this SIL. When a CRA with a new P/N is serviced, do the steps in 6.B. and 6.C. of this SIL, but do not do the steps in 6.D.
- B. Do the steps below instead of steps 6.B.(1) thru 6.B.(4) on page 7007 of CMM 35-21-99.
 - (1) Apply a thin layer of powdered lubricant (see Table 7003 on page 7006 of the CMM 35-21-99) to the new safety plug gasket (P/N 10013469).
 - (2) Insert the new lubricated safety plug gasket (P/N 10013469) into the high pressure relief port H-1 of the regulator body (360, 360A, 360B).



6. ASSEMBLY (Continued)

B. (Continued)

- (3) Insert the safety disc (55, -55A, 55B) on top of the lubricated safety plug gasket (P/N 10013469).
- (4) Carefully install the burst disc spacer (50, 50A) into the port H-1 on the regulator body (360, 360A, 360B). Torque the spacer to 100-110 in lbs (11.3-12.4 N•m) in one continuous motion.

C. Do the steps below instead of step 11.B.(3) on page 7013 in CMM 35-21-99.

- (1) Apply primer T (see Table 2) to the threads of the adapter fitting (40, 40B). Drying time is 30 seconds minimum. Apply adhesive 242 (see Table 2) to the first thread groove. Insert the burst disc catcher (45, 45A) into the adapter fitting. Insert the adapter fitting into the regulator body (360, 360A, 360B). Torque the adapter fitting to 50-60 in lbs (5.6-6.8 N•m) in one continuous motion.
- (2) Install the lockwire (see Table 7003 in CMM 35-21-99) between the male altered connector (40A) or the adapter fitting (40, 40B) and the cap screw (245).

D. Marking

- (1) Replace the existing 898 Series Cylinder and Regulator nameplate with the new nameplates (P/N's 10009314, 10013529). Use a permanent indelible pen such as a fine point Sharpie®.
- (2) Write the new regulator part number tabulation on the new regulator nameplate (P/N 10013529) in the area provided. Refer to Figure 2. Refer to Table 3 for the new AVOX Systems Regulator P/N.
- (3) In the area provided, write the same Serial Number on the new regulator nameplate (P/N 10013529) that was on the old regulator nameplate. Refer to Figure 2.
NOTE: Outlet pressure information is not transferred.
- (4) Write the new AVOX CRA P/N and Customer CRA P/N, if required, which corresponds to the old CRA Part Number on the new cylinder nameplate (P/N 10009314) in the area provided. Refer to Figures 3 and 5. Refer to Table 3 for the New AVOX CRA P/N.
- (5) In the area provided, transfer the manufactured date to the new cylinder nameplate (P/N 10009314). Refer to Figure 3.
- (6) Peel off the existing nameplates from the regulator and the cylinder (refer to Figures 4 and 5). Use Isopropyl alcohol to clean off any residue and allow to dry.
- (7) Apply the new nameplate (P/N 10013529) to the regulator in the area shown (refer to Figure 4).
- (8) Apply the new nameplate (P/N 10009314) to the cylinder in the area shown (refer to Figure 5).



AVOX Systems

Formerly Scott Aviation, Inc.

Table 3
Old P/N to New P/N Conversion

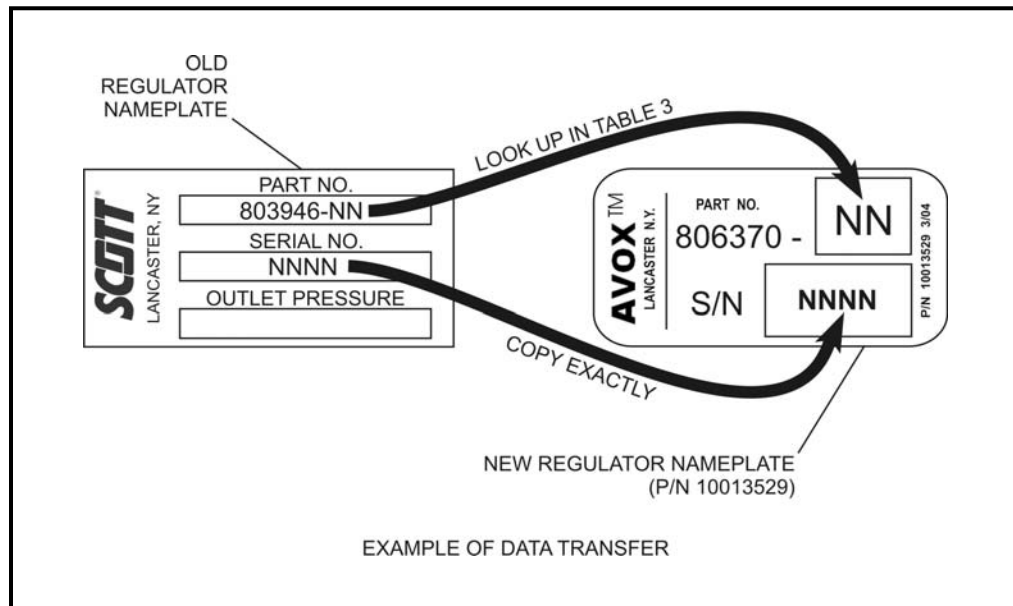
Old Scott CRA P/N (See Figure 3)	New AVOX CRA P/N (See Figure 3)	New Customer CRA P/N	Old Scott Regulator P/N (See Figures 2 & 4)	New AVOX Regulator P/N (See Figures 2 & 4)
898-FT0C15	806369-11	4AS7510708-010	803946-04	806370-04
898-FT0C77	806369-12	4AS7510708-012	803946-04	806370-04
* 898-JT0C15	806525-211	---	803946-06	806370-06
898-KT0C15	806385-111	6635000000-095	803946-07	806370-07
898-KT0C22	806385-141	6635000000-079	803946-07	806370-07
898-MT0C15	806371-111	---	803946-06	806370-06
898-MT0C77	806371-121	---	803946-06	806370-06
898-NT0C77	806369-22	4AS7510708-011	803946-09	806370-09
898-PT0C15	806385-11	6635000000-115	803946-07	806370-07
898-PT0C22	806385-14	6635000000-111	803946-07	806370-07
898-PT0C40	806385-13	6635000000-113	803946-07	806370-07
898-PT0C77	806385-12	6635000000-117	803946-07	806370-07
898-RT0C15	806369-31	4AS7510708-009	803946-10	806370-10
898-RT0C77	806369-32	4AS7510708-013	803946-10	806370-10

* Except S/N's 762, 893, 894, 953, 1029

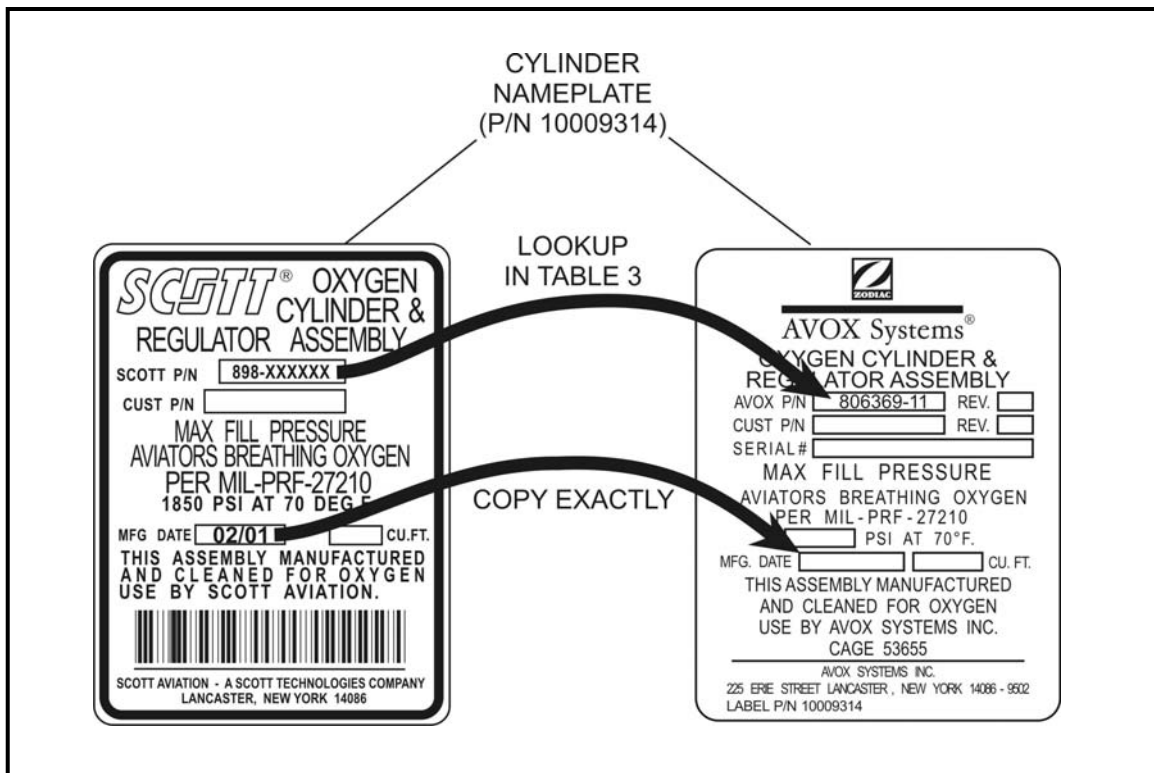


AVOX Systems

Formerly Scott Aviation, Inc.



Transfer Regulator Nameplate Data
Figure 2

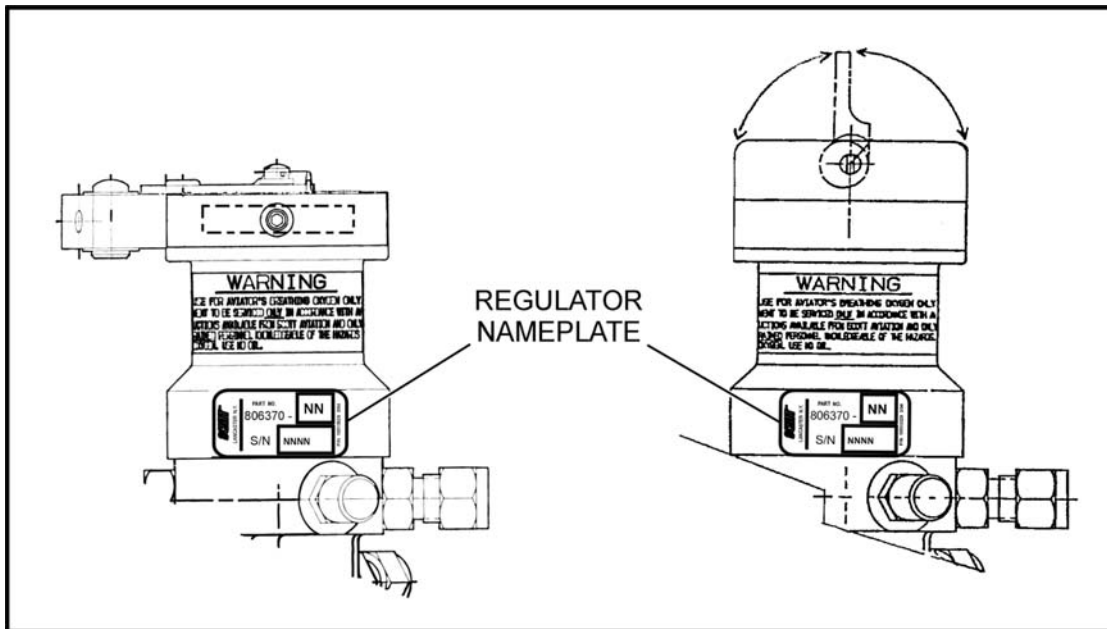


Transfer Cylinder Nameplate Data
Figure 3

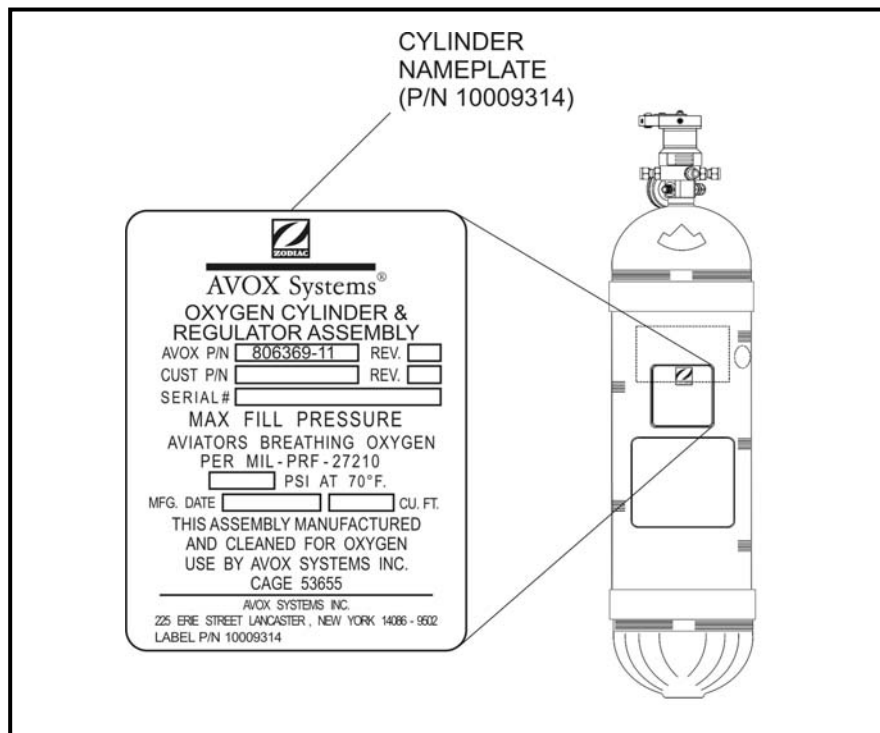


AVOX Systems

Formerly Scott Aviation, Inc.



Location of Nameplate on Regulator
Figure 4



Location of Nameplate on Cylinder
Figure 5



AVOX Systems

Formerly Scott Aviation, Inc.

7. TO CONTACT AVOX Systems:

A. To have an AVOX Systems component serviced or overhauled:

AVOX-EROS Services
6734 Valjean Avenue
Van Nuys, CA 91406
USA

Director of Marketing – Jean-Marc LeMaitre

Phone: (818) 787-3852

Fax: (818) 994-7901

E-mail: jlemaitre@intertechnique.zodiac.com

IN-Services Europe

7, Avenue du Parana

B.P. 303

91958 Courtaboeuf Cedex

France

Customer Services-Celine Robitaille

Phone: 33 1 64 86 69 19

E-mail: crobitaille@intertechnique.zodiac.com

IN-Services & AL RUMAITHY Est. Middle East
P.O.Box 4356

Abu Dhabi, U.A.E.

GM and Sales-Boulouafi Bouach

Phone: (971) 2 672 5257

E-Mail: bbouach@inservices-alrumaithy.com

IN-Services Asia

80 Chun Choi Street

Tseung Kwan O Industrial Estate

New Territories

Hong Kong, China

General Manager-Sebastien Weber

Customer Support Administration-Shirley Huen

Phone: (852) 2260 4050

Email: weber.inasia@haeco.com

B. To buy replacement parts for an AVOX Systems component, contact any IN-Services location listed in Section A above.

C. To get technical aid, contact the AVOX Systems Technical Support Department.

- Mail: AVOX Systems
Attention: Technical Support
225 Erie Street
Lancaster, NY 14086-9502
USA
- Telephone: 1-716-686-1725 or 1-716-686-1798
- Fax: 1-716-681-1089 (Attention: Technical Support)
- E-Mail: avoxcs@avox.zodiac.com

D. Use the contact information below to get a copy of a CMM or the revision status of a publication.
Give the AVOX Systems part number and the aircraft model when you request a CMM copy.

First tier operators:

IN-Services Europe (HQ)

Yann Lainé

7, Avenue du Parana

B. P. 303

91958 Courtaboeuf Cedex

France

Telephone: +33-1-64-86-69-64

Fax: +33-1-64-86-69-64

E-mail: ylaine@intertechnique.zodiac.com

Website: www.in-services.com

Second tier operators:

AVOX Systems

David Coe

225 Erie Street

Lancaster, NY

14086-9502

USA

716-686-1614

716-681-1089

dcoe@avox.zodiac.com

www.avoxsys.com